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/ Ruth Montalvo Date: 12/22/05

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney's Docket No.: JG-SU-5223/500577.

U.S. Application No.:

International Application No.: PCT/JP2005/000882

International Filing Date: JANUARY 25, 2005

25 JANUARY 2005

Priority Date Claimed: JANUARY 30, 2004

30 JANUARY 2004

Title of Invention: SILICON SINGLE CRYSTAL PULLING METHOD

Applicant(s) for (DO/EO/US): Kazuhiro HARADA, Norihito FUKATSU, Senlin FU and Yoji SUZUKI

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Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-450

## INFORMATION DISCLOSURE STATEMENT

S I R:

Applicant herewith submits together with the simultaneously filed National Phase application of PCT/JP2005/000882, a copy of the International Search Report (PCT/ISA/210) dated March 8, 2005, citing some of the following references:

|    | Document Number | Date       | Name and/or Country | English Translation and/or Equivalent |
|----|-----------------|------------|---------------------|---------------------------------------|
| AA | 6,045,610       | 04/04/2000 | Park, et al.        |                                       |
| AB | 2002/0157600    | 10/31/2002 | Fusegawa, et al.    |                                       |
| AL | 11-001393       | 06/01/1999 | Japan               | U.S. 6,045,610                        |
| AM | 60-033291       | 02/20/1985 | Japan               | Abstract only                         |
| AN | 04-031386       | 02/03/1992 | Japan               | Abstract only                         |
| AO | 2001/63027      | 08/30/2001 | WIPO                | Abstract only                         |
| AP | 2002-201092     | 07/16/2002 | Japan               | Abstract only                         |
| AQ | 2003-002783     | 01/08/2003 | Japan               | Abstract only                         |
| AR | 2003-220875     | 05/08/2003 | Japan               | Abstract only                         |

Accompanying this Information Disclosure Statement and form PTO-1449 are copies of the documents including English Abstract and US equivalent. Documents AA, AL and AR are mentioned on pages 5 and 8 of the substitute specification.

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The USPTO waived the requirement under 37 C.F.R. §1.98(a)(2)(i) for submitting copies of US patents and US patent application publications in all U.S. applications filed after June 30, 2003. First pages of US documents only.

This submission is not an admission that the information disclosed in the documents is material to the patentability of the invention disclosed and/or claimed in the above-identified application.

Respectfully submitted,

JEG:ram  
08/10/05  
Tel. (212) 521-5400  
Enclosures:

Search Report (PCT/ISA/210);  
PTO-1449  
2 first pages of US documents  
5 foreign documents  
7 English Abstract (including WO document)

  
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**LIST OF PRIOR ART CITED BY APPLICANT**  
(Filed on December 22, 2005)

Docket No. **JG-SU-5223/500577.**

Applicant(s): **Kazuhiro HARADA, Norihito FUKATSU, Senlin FU and Yoji SUZUKI**

Application No. (Int'l Appln No. PCT/JP2005/000882 25JAN05) Group:

Filed: Examiner:

**U.S. PATENT DOCUMENTS**

| Exam. Init |           | Document Number     | Date              | Name                    | Class | Sub-Class | Filing Date Appropriate |
|------------|-----------|---------------------|-------------------|-------------------------|-------|-----------|-------------------------|
|            | <b>AA</b> | <b>6,045,610</b>    | <b>04/04/2000</b> | <b>Park, et al.</b>     |       |           |                         |
|            | <b>AB</b> | <b>2002/0157600</b> | <b>10/31/2002</b> | <b>Fusegawa, et al.</b> |       |           |                         |
|            | <b>AC</b> |                     |                   |                         |       |           |                         |
|            | <b>AD</b> |                     |                   |                         |       |           |                         |
|            | <b>AE</b> |                     |                   |                         |       |           |                         |
|            | <b>AF</b> |                     |                   |                         |       |           |                         |
|            | <b>AG</b> |                     |                   |                         |       |           |                         |
|            | <b>AH</b> |                     |                   |                         |       |           |                         |
|            | <b>AI</b> |                     |                   |                         |       |           |                         |
|            | <b>AJ</b> |                     |                   |                         |       |           |                         |
|            | <b>AK</b> |                     |                   |                         |       |           |                         |

**FOREIGN PATENT DOCUMENTS**

|  |           | Document Number    | Date              | Country      | CLASS | Sub-Class | Translation           |    |
|--|-----------|--------------------|-------------------|--------------|-------|-----------|-----------------------|----|
|  |           |                    |                   |              |       |           | YES                   | NO |
|  | <b>AL</b> | <b>11-001393</b>   | <b>06/01/1999</b> | <b>Japan</b> |       |           | <b>U.S. 6,045,610</b> |    |
|  | <b>AM</b> | <b>60-033291</b>   | <b>02/20/1985</b> | <b>Japan</b> |       |           | Abstract only         |    |
|  | <b>AN</b> | <b>04-031386</b>   | <b>02/03/1992</b> | <b>Japan</b> |       |           | Abstract only         |    |
|  | <b>AO</b> | <b>2001/63027</b>  | <b>08/30/2001</b> | <b>WIPO</b>  |       |           | Abstract only         |    |
|  | <b>AP</b> | <b>2002-201092</b> | <b>07/16/2002</b> | <b>Japan</b> |       |           | Abstract only         |    |
|  | <b>AQ</b> | <b>2003-002783</b> | <b>01/08/2003</b> | <b>Japan</b> |       |           | Abstract only         |    |
|  | <b>AR</b> | <b>2003-220875</b> | <b>05/08/2003</b> | <b>Japan</b> |       |           | Abstract only         |    |
|  | <b>AS</b> |                    |                   |              |       |           |                       |    |
|  | <b>AT</b> |                    |                   |              |       |           |                       |    |

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

|  |           |  |
|--|-----------|--|
|  | <b>AX</b> |  |
|  | <b>AY</b> |  |
|  | <b>AZ</b> |  |

Examiner:

Date:

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.